

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Please cancel claims 1-31 and 39-54 without prejudice or disclaimer of the claimed subject matter.

1 to 31. (cancelled)

32. (previously presented) A computer system comprising:

(a) a database containing information concerning the expression level in benign prostatic hyperplasia (BPH) tissue or cells of a set of nucleic acid molecules, wherein said set comprises at least ten different nucleic acid molecules corresponding to SEQ ID NO: 1 to 1124; and

(b) software that allows a user to compare data from a sample to the information in the database.

33. (previously presented) A computer system of claim 32, wherein the set of nucleic acid molecules comprises at least ten different nucleic acid molecules in Table 5.

34. (previously presented) A computer system of claim 32, wherein the database further comprises sequence information for said nucleic acid molecules.

35. (previously presented) A computer system of claim 32, wherein the database further comprises information concerning the expression level for the set of nucleic acid molecules in normal prostate tissue or cells.

36. (previously presented) A computer system of claim 32, wherein the database further comprises information concerning the expression level of the set of nucleic acid molecules in prostate cancer tissue or cells.

37. (previously presented) A computer system of claim 32, further comprising records including information from an external database, which information correlates said nucleic acid molecules to records in the external database.

38. (previously presented) A computer system of claim 37, wherein the external database is GenBank.

39 to 54. (cancelled)

55. (previously presented) A computer system of claim 32, wherein said set comprises at least 50 different nucleic acid molecules corresponding to SEQ ID NO: 1 to 1124.

56. (previously presented) A computer system of claim 32, wherein said set comprises at least 70 different nucleic acid molecules corresponding to SEQ ID NO: 1 to 1124.